BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to roads in Kempapura Cheluvanarayanaswamy house road in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- 10

Item Name:- KSRRB M500-7: Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all material, labour HOM of machineries complete as per specifications. (Page No. 160 / Item No. 21.7 / PWD SR 2015-16)

SL	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
Date of Measurements:-		sqm						
	Present measurements							
	1st main road, K.V.J Road, Muniswamegowda Layout							
	Ch 0.00m to 30.00m		1	30.00	(5.4+4.9)/2		154.50	
	Ch 30.00m to 60.00m		1	30.00	(4.9+4.9)/2		147.00	
	Ch 60.00m to 90.00m		1	30.00	(4.9+4.8)/2		145.50	
	Ch 90.00m to 120.00m		1	30.00	(4.8+6.2)/2		165.00	
	Ch 120.00m to 150.00m		1	30.00	(6.2+4.6)/2		162.00	
	Ch 150.00m to 180.00m		1	30.00	(4.6+4.7)/2		139.50	
	Ch 180.00m to 210.00m		1	30.00	(4.7+6.4)/2		166.50	
	Ch 210.00m to 240.00m		1	30.00	(6.4+6.0)/2		186.00	
	Ch 240.00m to 270.00m		1	30.00	(6.0+6.2)/2		183.00	
	Ch 270.00m to 300.00m		1	30.00	(6.2+6.8)/2		195.00	
	Ch 300.00m to 323.00m		1	23.00	(6.8+6.4)/2		151.80	
						Net Qty	**1,795.80**	

RBI-TECHNICAL SERVICES

Proprietor

AE(WZ)
8/11/17

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P
Bangalore.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to roads in Kempapura Cheluvanarayanaswamy house road in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- ~~07~~ 12

Item Name:-Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher with required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects complete as per specifications.using 40-60 TPH capacity H.M.P. with sensor paver Gr-II (30mm to 45mm)with 6% CRMB-55. (Item No. 21.23.6, Page No. 164, PWD SR 2015-16).

SL	Particulars	Unit	Nos		L	B	D	Qty	Remarks
1	2	3	4		5	6	7	8	9
Date of Measurements:-		cum							
	Present measurements								
	1st main road, K.V.J Road, Muniswamegowda Layout								
	Ch 0.00m to 30.00m			1	30.00	(5.4+4.9)/2	0.040	6.18	
	Ch 30.00m to 60.00m			1	30.00	(4.9+4.9)/2	0.040	5.88	
	Ch 60.00m to 90.00m			1	30.00	(4.9+4.8)/2	0.040	5.82	
	Ch 90.00m to 120.00m			1	30.00	(4.8+6.2)/2	0.040	6.60	
	Ch 120.00m to 150.00m			1	30.00	(6.2+4.6)/2	0.040	6.48	
	Ch 150.00m to 180.00m			1	30.00	(4.6+4.7)/2	0.040	5.58	
	Ch 180.00m to 210.00m			1	30.00	(4.7+6.4)/2	0.040	6.66	
	Ch 210.00m to 240.00m			1	30.00	(6.4+6.0)/2	0.040	7.44	
	Ch 240.00m to 270.00m			1	30.00	(6.0+6.2)/2	0.040	7.32	
	Ch 270.00m to 300.00m			1	30.00	(6.2+6.8)/2	0.040	7.80	
	Ch 300.00m to 323.00m			1	23.00	(6.8+6.4)/2	0.040	6.07	
							Net Qty	**71.83**	

RBI-TECHNICAL SERVICES

Proprietor

AE(W4) 08/11/17

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to roads in Kempapura Cheluvanarayanaswamy house road in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- 13

Item Name:-KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 118, item No. 17.1)

SL	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
Date of Measurements:-		cum						
	Present measurements							
	Qty vide Item no.1						161.50	
						Net Qty	161.50	

RBI-TECHNICAL SERVICES .

Proprietor

AE(W7)
08/11/17

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Measurement Sheet

For the

Work of: 4)Improvements to roads in Chiranjeevi layout church road in ward no.07, Byatarayanapura.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to roads in Chiranjeevi layout church road in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- 04

Item Name:- Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH chapter 3. Page No. 141/ Item No. 19.1/PWD SR 2015-16.

SL	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
Date of Measurements:-		cum						
	Present measurements							
	1st main road, Chiranjivi layout, . (Jerusalem marthaman church to Victory international A.G Varshish)							
	Ch 0.00m to 30.00m		2	30.00	0.50	0.50	15.00	
	Ch 30.00m to 60.00m		2	30.00	0.50	0.50	15.00	
	Ch 60.00m to 90.00m		2	30.00	0.50	0.50	15.00	
	Ch 90.00m to 120.00m		2	30.00	0.50	0.50	15.00	
	Ch 120.00m to 150.00m		2	30.00	0.50	0.50	15.00	
	Ch 150.00m to 180.00m		2	30.00	0.50	0.50	15.00	
	Ch 180.00m to 210.00m		2	30.00	0.50	0.50	15.00	
	Ch 210.00m to 240.00m		2	30.00	0.50	0.50	15.00	
	Ch 240.00m to 270.00m		2	30.00	0.50	0.50	15.00	
	Ch 270.00m to 281.00m		2	11.00	0.50	0.50	5.50	
	4th cross, Chiranjivi Layout							
	Ch 0.00m to 15.00m		1	15.00	0.50	0.50	3.75	
	Ch 15.00m to 33.00m		1	18.00	0.50	0.50	4.50	
	culverts							
	culvert-1- 4th cross		1	5.00	1.80	1.00	9.00	
	culvert-2- 1st cross		1	5.00	1.80	1.00	9.00	
						Net Qty	**166.75**	

RBI-TECHNICAL SERVICES

Proprietor

AE(W7) 02/10/17

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to roads in Chiranjeevi layout church road in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- @ 50

Item Name:- KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. No. 12/ Item No. 4.3/ PWD SR 2015-16.

SL	Particulars	Unit	Nos		L	B	D	Qty	Remarks
1	2	3	4		5	6	7	8	9
Date of Measurements:-		cum							
	Present measurements								
	1st main road, Chiranjivi layout,								
	culvert-1- 4th cross			1	5	1.8	0.15	1.35	
	culvert-2- 1st cross			1	5	1.8	0.15	1.35	
								2.70	

RBI-TECHNICAL SERVICES

Proprietor

AE(Mech)
18/11/17

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- IImprovements to roads in Chiranjeevi layout church road in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- 60

Item Name:- KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. No. 12/ Item No. 4.6/ PWD SR 2015-16

SL	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
Date of Measurements:-		**cum**						
	Present measurements							
	1st main road, Chiranjivi layout,							
	culvert-1- 4th cross		1	5	0.6	0.15	0.45	
	culvert-2- 1st cross		1	5	0.6	0.15	0.45	
	culvert-1- 4th cross, Coping		2	5	0.45	0.10	0.45	
	culvert-2- 1st cross, coping		2	5	0.45	0.12	0.45	
						Net Qty	**1.80**	

RBI-TECHNICAL SERVICES

Proprietor

AE(NS)
20/11/17

20/11

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to roads in Chiranjeevi layout church road in ward no:07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- 57

Item Name:- Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:6, edges of stones chistle dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications

SL	Particulars	Unit	Nos		L	B	D	Qty	Remarks
1	2	3	4		5	6	7	8	9
Date of Measurements:-		cum							
	Present measurements								
	1st main road, Chiranjivi layout,								
	culvert-1- 4th cross			2	5	0.45	0.9	4.05	
	culvert-2- 1st cross			2	5	0.45	0.9	4.05	
								8.10	

RBI-TECHNICAL SERVICES

Proprietor

AE (W-7)
28/11/17

28/11

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to roads in Chiranjeevi layout church road in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- ~~05~~ 59

Item Name:-KSRB 15.1.4: Providing ruled pointing to coursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications cement mortar 1:4. Page No. 112 / Item No. 15.4 / PWD SR 2015-16

SL	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
Date of Measurements:-		sqm						
	Present measurements							
	1st main road, Chiranjivi layout,							
	culvert-1- 4th cross		2	5		0.9	9.00	
	culvert-2- 1st cross		2	5		0.9	9.00	
							18.00	

RBI-TECHNICAL SERVICES

Proprietor

AE(WL) 28/11/17

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to roads in Chiranjeevi layout church road in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- ~~05~~ (EIRL) 04

Item Name:- Providing and fixing 20cm thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centering shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15cm thick well compacted cost of all materials labour curing complete as per specifications. (Data Rate)

SL	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
Date of Measurements:-		sqm						
	Present measurements							
	1st main road, Chiranjivi layout,							
	culvert-1- 4th cross		8	1.8	0.6		8.64	
	culvert-2- 1st cross		9	1.8	0.6		9.72	
							18.36	

RBI-TECHNICAL SERVICES

Proprietor

AE(W7)

28/11/17

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to roads in Chiranjeevi layout church road in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- 05

Item Name:- Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materialks with lead of 100m, sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bond macadam specifications including cost of all labour, HOM of machineries complete as per specifications. MORTH chapter 5, No. 160/ Item No 21.3 /PWD SR 2015-16).

SL	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
Date of Measurements:-		sqm						
	Present measurements							
	1st main road, Chiranjivi layout, (Jerusalem marthaman church to Victory international A.G Varshish)							
	Ch 0.00m to 30.00m		1	30.00	(9.4+9.1)/2		277.50	
	Ch 30.00m to 60.00m		1	30.00	(9.1+7.9)/2		255.00	
	Ch 60.00m to 90.00m		1	30.00	(7.9+4.8)/2		190.50	
	Ch 90.00m to 120.00m		1	30.00	(4.8+5.8)/2		159.00	
	Ch 120.00m to 150.00m		1	30.00	(5.8+8.8)/2		219.00	
	Ch 150.00m to 180.00m		1	30.00	(8.8+6.3)/2		226.50	
	Ch 180.00m to 210.00m		1	30.00	(6.3+5.0)/2		169.50	
	Ch 210.00m to 240.00m		1	30.00	(5.0+5.85)/2		162.75	
	Ch 240.00m to 270.00m		1	30.00	(5.85+6.2)/2		180.75	
	Ch 270.00m to 281.00m		1	30.00	(6.2+6.8)/2		195.00	
	4th cross, Chiranjivi Layout						-	
	Ch 0.00m to 15.00m		1	15.00	(5.0+4.8)/2		73.50	
	Ch 15.00m to 33.00m		1	18.00	(4.8+4)/2		79.20	
						Net Qty	**2,188.20**	

RBI-TECHNICAL SERVICES

Proprietor

AE(W7)
26/10/17

26/10/17

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to roads in Chiranjeevi layout church road in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- 06

Item Name:-Proviidng and laying, spreading and compacting graded stones aggregate to Wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per MORTH specifications. No.406, Page no. 157/ item no. 20.18/ PWD SR 2015-16

SL	Particulars	Unit	Nos		L	B	D	Qty	Remarks
1	2	3	4		5	6	7	8	9
Date of Measurements:-		cum							
	Present measurements								
	1st main road, Chiranjivi layout, (Jerusalem marthaman church to Victory international A.G Varshish)								
	Ch 0.00m to 30.00m			1	30.00	(9.4+9.1)/2	0.20	55.50	
	Ch 30.00m to 60.00m			1	30.00	(9.1+7.9)/2	0.20	51.00	
	Ch 60.00m to 90.00m			1	30.00	(7.9+4.8)/2	0.20	38.10	
	Ch 90.00m to 120.00m			1	30.00	(4.8+5.8)/2	0.20	31.80	
	Ch 120.00m to 150.00m			1	30.00	(5.8+8.8)/2	0.20	43.80	
	Ch 150.00m to 180.00m			1	30.00	(8.8+6.3)/2	0.20	45.30	
	Ch 180.00m to 210.00m			1	30.00	(6.3+5.0)/2	0.20	33.90	
	Ch 210.00m to 240.00m			1	30.00	(5.0+5.85)/2	0.20	32.55	
	Ch 240.00m to 270.00m			1	30.00	(5.85+6.2)/2	0.20	36.15	
	Ch 270.00m to 281.00m			1	30.00	(6.2+6.8)/2	0.20	39.00	
	4th cross, Chiranjivi Layout						~~0.20~~		
	Ch 0.00m to 15.00m			1	15.00	(5.0+4.8)/2	0.20	14.70	
	Ch 15.00m to 33.00m			1	18.00	(4.8+4)/2	0.20	15.84	
							Net Qty	437.64	

RBI-TECHNICAL SERVICES

Proprietor

AE(civil)

22/11/17

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to roads in Chiranjeevi layout church road in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- 08

Item Name:-Proviidng and applying primer coat for surfaces of medium porosity like cement stabilized soil base @ 1.10 Kg/sqmt over prepared surface with S.S bitumen emulsion using bitumen tanker fitted with spray set (excluding cleaning of road surface) including cost of all material, labour HOM of machineries complete as per specifications. MORTH specification No. 502, Page No. 160/ Item No. 21.5/ PWD SR 2015-16.

SL	Particulars	Unit	Nos		L	B	D	Qty	Remarks
1	2	3	4		5	6	7	8	9
Date of Measurements:-		sqm							
	Present measurements								
	1st main road, Chiranjivi layout, (Jerusalem marthaman church to Victory international A.G Varshish)								
	Ch 0.00m to 30.00m			1	30.00	(9.4+9.1)/2		277.50	
	Ch 30.00m to 60.00m			1	30.00	(9.1+7.9)/2		255.00	
	Ch 60.00m to 90.00m			1	30.00	(7.9+4.8)/2		190.50	
	Ch 90.00m to 120.00m			1	30.00	(4.8+5.8)/2		159.00	
	Ch 120.00m to 150.00m			1	30.00	(5.8+8.8)/2		219.00	
	Ch 150.00m to 180.00m			1	30.00	(8.8+6.3)/2		226.50	
	Ch 180.00m to 210.00m			1	30.00	(6.3+5.0)/2		169.50	
	Ch 210.00m to 240.00m			1	30.00	(5.0+5.85)/2		162.75	
	Ch 240.00m to 270.00m			1	30.00	(5.85+6.2)/2		180.75	
	Ch 270.00m to 281.00m			1	30.00	(6.2+6.8)/2		195.00	
	4th cross, Chiranjivi Layout								
	Ch 0.00m to 15.00m			1	15.00	(5.0+4.8)/2		73.50	
	Ch 15.00m to 33.00m			1	18.00	(4.8+4)/2		79.20	
							Net Qty	2,188.20	

RBI-TECHNICAL SERVICES

Proprietor

AE(W2)
25/11/17

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to roads in Chiranjeevi layout church road in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- 12

Item Name:-Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher with required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects complete as per specifications.using 40-60 TPH capacity H.M.P. with sensor paver Gr-II (30mm to 45mm)with 6% CRMB-55. (Item No. 21.23.6, Page No. 164, PWD SR 2015-16).

SL	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
Date of Measurements:-		cum						
	Present measurements							
	1st main road, Chiranjivi layout, (Jerusalem marthaman church to Victory international A.G Varshish)							
	Ch 0.00m to 30.00m		1	30.00	(9.4+8.1)/2	0.040	10.50	
	Ch 30.00m to 60.00m		1	30.00	(8.1+7.9)/2	0.040	9.60	
	Ch 60.00m to 90.00m		1	30.00	(7.9+4.8)/2	0.040	7.62	
	Ch 90.00m to 120.00m		1	30.00	(4.8+5.8)/2	0.040	6.36	
	Ch 120.00m to 150.00m		1	30.00	(5.8+8.8)/2	0.040	8.76	
	Ch 150.00m to 180.00m		1	30.00	(8.8+6.3)/2	0.040	9.06	
	Ch 180.00m to 210.00m		1	30.00	(6.3+5.0)/2	0.040	6.78	
	Ch 210.00m to 240.00m		1	30.00	(5.0+5.85)/2	0.040	6.51	
	Ch 240.00m to 270.00m		1	30.00	(5.85+6.2)/2	0.040	7.23	
	Ch 270.00m to 281.00m		1	30.00	(6.2+6.8)/2	0.040	7.80	
	4th cross, Chiranjivi Layout							
	Ch 0.00m to 15.00m		1	15.00	(5.0+4.8)/2	0.040	2.94	
	Ch 15.00m to 33.00m		1	18.00	(4.8+4)/2	0.040	3.17	
						Net Qty	86.33	

RBI-TECHNICAL SERVICES

Proprietor

AE(Civil) 25/11/17

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to roads in Chiranjeevi layout church road in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- 13

Item Name:-KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 118, item No. 17.1)

SL	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
Date of Measurements:-		cum						
	Present measurements							
	Qty vide Item no.1						166.75	

RBI-TECHNICAL SERVICES

Proprietor

AE(W7)
25/11/17

25/11/17
Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

Measurement Sheet

For the

Work of: 5)Improvements to Roads and Drains in Hoysala layout Amruthalli in ward no.07, Byatarayanapura.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to Roads and Drains in Hoysala layout Amruthalli in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- 04

Item Name:- Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH chapter 3. Page No. 141/ Item No. 19.1/PWD SR 2015-16.

SL	Particulars	Unit	Nos		L	B	D	Qty	Remarks
1	2	3	4		5	6	7	8	9
Date of Measurements:-		cum							
	Present measurements								
	Saint Johns school								
	Ch 0.00m to 30.00m			2	30.00	(6.6+6.3)/2	0.60	18.00	
	Ch 30.00m to 60.00m			2	30.00	(6.3+5.9)/2	0.60	18.00	
	Ch 60.00m to 90.00m			2	30.00	(5.9+6.6)/2	0.60	18.00	
	Ch 90.00m to 120.00m			2	30.00	(6.6+6.0)/2	0.60	18.00	
	Ch 120.00m to 150.00m			2	30.00	(6.0+6.0)/2	0.60	18.00	
	Ch 150.00m to 180.00m			2	30.00	(6.0+5.9)/2	0.60	18.00	
	Ch 180.00m to 210.00m			2	30.00	(5.9+5.4)/2	0.60	18.00	
	Ch 210.00m to 226.00m			2	16.00	(5.4+4.9)/2	0.60	9.60	
							Net Qty	**135.60**	

RBI-TECHNICAL SERVICES

Proprietor

AE(WT)

03/10/17

3/10/17

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P..
Bangalore.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to Roads and Drains in Hoysala layout Amruthalli in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- 05

Item Name:- Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materialks with lead of 100m, sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bond macadam specifications including cost of all labour, HOM of machineries complete as per specifications. MORTH chapter 5, No. 160/ Item No 21.3 /PWD SR 2015-16).

SL	Particulars	Unit	Nos		L	B	D	Qty	Remarks
1	2	3	4		5	6	7	8	9
Date of Measurements:-		sqm							
	Present measurements								
	Saint Johns school								
	Ch 0.00m to 30.00m			1	30.00	(6.6+6.3)/2		193.50	
	Ch 30.00m to 60.00m			1	30.00	(6.3+5.9)/2		183.00	
	Ch 60.00m to 90.00m			1	30.00	(5.9+6.6)/2		187.50	
	Ch 90.00m to 120.00m			1	30.00	(6.6+6.0)/2		189.00	
	Ch 120.00m to 150.00m			1	30.00	(6.0+6.0)/2		180.00	
	Ch 150.00m to 180.00m			1	30.00	(6.0+5.9)/2		178.50	
	Ch 180.00m to 210.00m			1	30.00	(5.9+5.4)/2		169.50	
	Ch 210.00m to 226.00m			1	16.00	(5.4+4.9)/2		82.40	
							Net Qty	**1,363.40**	

RBI-TECHNICAL SERVICES

Proprietor

AE(W)
07/10/17

7/10/17

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to Roads and Drains in Hoysala layout Amruthalli in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- 06

Item Name:-Proviidng and laying, spreading and compacting graded stones aggregate to Wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per MORTH specifications. No.406, Page no. 157/ item no. 20.18/ PWD SR 2015-16

SL	Particulars	Unit	Nos		L	B	D	Qty	Remarks
1	2	3	4		5	6	7	8	9
Date of Measurements:-		cum							
	Present measurements								
	Saint Johns school								
	Ch 0.00m to 30.00m			1	30.00	(6.6+6.3)/2	0.20	38.70	
	Ch 30.00m to 60.00m			1	30.00	(6.3+5.9)/2	0.20	36.60	
	Ch 60.00m to 90.00m			1	30.00	(5.9+6.6)/2	0.20	37.50	
	Ch 90.00m to 120.00m			1	30.00	(6.6+6.0)/2	0.20	37.80	
	Ch 120.00m to 150.00m			1	30.00	(6.0+6.0)/2	0.20	36.00	
	Ch 150.00m to 180.00m			1	30.00	(6.0+5.9)/2	0.20	35.70	
	Ch 180.00m to 210.00m			1	30.00	(5.9+5.4)/2	0.20	33.90	
	Ch 210.00m to 226.00m			1	16.00	(5.4+4.9)/2	0.20	16.48	
							Net Qty	**272.68**	

RBI-TECHNICAL SERVICES

Proprietor

AE(W2)
16/10/17

16/10/17
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to Roads and Drains in Hoysala layout Amruthalli in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- 08

Item Name:-Proviidng and applying primer coat for surfaces of medium porosity like cement stabilized soil base @ 1.10 Kg/sqmt over prepared surface with S.S bitumen emulsion using bitumen tanker fitted with spray set (excluding cleaning of road surface) including cost of all material, labour HOM of machineries complete as per specifications. MORTH specification No. 502, Page No. 160/ Item No. 21.5/ PWD SR 2015-16.

SL	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
Date of Measurements:-		sqm						
	Present measurements							
	Saint Johns school							
	Ch 0.00m to 30.00m		1	30.00	(6.6+6.3)/2		193.50	
	Ch 30.00m to 60.00m		1	30.00	(6.3+5.9)/2		183.00	
	Ch 60.00m to 90.00m		1	30.00	(5.9+6.6)/2		187.50	
	Ch 90.00m to 120.00m		1	30.00	(6.6+6.0)/2		189.00	
	Ch 120.00m to 150.00m		1	30.00	(6.0+6.0)/2		180.00	
	Ch 150.00m to 180.00m		1	30.00	(6.0+5.9)/2		178.50	
	Ch 180.00m to 210.00m		1	30.00	(5.9+5.4)/2		169.50	
	Ch 210.00m to 226.00m		1	16.00	(5.4+4.9)/2		82.40	
						Net Qty	**1,363.40**	

RBI-TECHNICAL SERVICES

Proprietor

AE(W)

08/11/17

18/11/17

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to Roads and Drains in Hoysala layout Amruthalli in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- 12

Item Name:-Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher with required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects complete as per specifications.using 40-60 TPH capacity H.M.P. with sensor paver Gr-II (30mm to 45mm)with 6% CRMB-55. (Item No. 21.23.6, Page No. 164, PWD SR 2015-16).

SL	Particulars	Unit	Nos		L	B	D	Qty	Remarks
1	2	3	4		5	6	7	8	9
Date of Measurements:-		cum							
	Present measurements								
	Saint Johns school								
	Ch 0.00m to 30.00m			1	30.00	(6.6+6.3)/2	0.040	7.74	
	Ch 30.00m to 60.00m			1	30.00	(6.3+5.9)/2	0.040	7.32	
	Ch 60.00m to 90.00m			1	30.00	(5.9+6.6)/2	0.040	7.50	
	Ch 90.00m to 120.00m			1	30.00	(6.6+6.0)/2	0.040	7.56	
	Ch 120.00m to 150.00m			1	30.00	(6.0+6.0)/2	0.040	7.20	
	Ch 150.00m to 180.00m			1	30.00	(6.0+5.9)/2	0.040	7.14	
	Ch 180.00m to 210.00m			1	30.00	(5.9+5.4)/2	0.040	6.78	
	Ch 210.00m to 226.00m			1	16.00	(5.4+4.9)/2	0.040	3.30	
							Net Qty	**54.54**	

RBI-TECHNICAL SERVICES

Proprietor

AE(W7) 10/11/17

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to Roads and Drains in Hoysala layout Amruthalli in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- ~~12~~ 13

Item Name:- KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 118, item No. 17.1)

SL	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
Date of Measurements:-		cum						
	Qty vide Item no.1							
							135.60	
						Net Qty	135.60	

RBI-TECHNICAL SERVICES

Proprietor

AE(W7)
10/11/17

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

Measurement Sheet

For the

Work of: 6)Improvements to Roads and Drains in Ayyappa swamy Temple opposite roads (Gopalappa Layout) in ward no.07, Byatarayanapura.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to Roads and Drains in Ayyappa swamy Temple opposite roads (Gopalappa Layout) in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- 04

Item Name:- Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH chapter 3. Page No. 141/ Item No. 19.1/PWD SR 2015-16.

SL	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
Date of Measurements:-		cum						
	Present measurements							
	2nd main road,Venkategowda layout, Sri. Ayyappa Temple Street							
	Ch 0.00m to 30.00m		2	30.00	0.45	0.50	13.50	
	Ch 30.00m to 60.00m		2	30.00	0.45	0.50	13.50	
	Ch 60.00m to 90.00m		2	30.00	0.45	0.50	13.50	
	Ch 90.00m to 120.00m		2	30.00	0.45	0.50	13.50	
	Ch 120.00m to 150.00m		2	30.00	0.45	0.50	13.50	
	Ch 150.00m to 180.00m		2	30.00	0.45	0.50	13.50	
	Ch 180.00m to 210.00m		2	30.00	0.45	0.50	13.50	
	Ch 210.00m to 240.00m		2	30.00	0.45	0.50	13.50	
	Ch 240.00m to 270.00m		2	30.00	0.45	0.50	13.50	
	Ch 270.00m to 294.00m		2	24.00	0.45	0.50	10.80	
	1st "A" main road,Venkategowda layout, Sri. Ayyappa Temple Street							
	Ch 0.00m to 30.00m		2	30.00	0.45	0.60	16.20	
	Ch 30.00m to 60.00m		2	30.00	0.45	0.60	16.20	
	Ch 60.00m to 90.00m		2	30.00	0.45	0.60	16.20	
	Ch 90.00m to 120.00m		2	30.00	0.45	0.60	16.20	
	Ch 120.00m to 150.00m		2	30.00	0.45	0.60	16.20	
	Ch 150.00m to 180.00m		2	30.00	0.45	0.60	16.20	
	Ch 180.00m to 210.00m		2	30.00	0.45	0.60	16.20	
	Ch 210.00m to 240.00m		2	30.00	0.45	0.60	16.20	
	Ch 240.00m to 270.00m		2	30.00	0.45	0.60	16.20	
	Ch 270.00m to 279.2m		2	9.20	0.45	0.60	4.97	
	1st "B" main road,Venkategowda layout, Sri. Ayyappa Temple Street							
	Ch 0.00m to 30.00m		2	30.00	0.60	0.50	18.00	
	Ch 30.00m to 60.00m		2	30.00	0.60	0.50	18.00	
	Ch 60.00m to 90.00m		2	30.00	0.60	0.50	18.00	
	Ch 90.00m to 120.00m		2	30.00	0.60	0.50	18.00	
	Ch 120.00m to 150.00m		2	30.00	0.60	0.50	18.00	
	Ch 150.00m to 180.00m		2	30.00	0.60	0.50	18.00	
	Ch 180.00m to 210.00m		2	30.00	0.60	0.50	18.00	
	Ch 210.00m to 240.00m		2	30.00	0.60	0.50	18.00	

RBI-TECHNICAL SERVICES

Proprietor

SL	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
	Ch 240.00m to 270.00m		2	30.00	0.60	0.50	18.00	
	Ch 270.00m to 300.00m		2	30.00	0.60	0.50	18.00	
	Ch 300.00m to309.6m		2	9.60	0.60	0.50	5.76	
	1st main road, Muneshwara Temple Street							
	Ch 0.00m to 30.00m		2	30.00	0.45	0.50	13.50	
	Ch 30.00m to 60.00m		2	30.00	0.45	0.50	13.50	
	Ch 60.00m to 90.00m		2	30.00	0.45	0.50	13.50	
	Ch 90.00m to 120.00m		2	30.00	0.45	0.50	13.50	
	Ch 120.00m to 150.00m		2	30.00	0.45	0.50	13.50	
	Ch 150.00m to 180.00m		2	30.00	0.45	0.50	13.50	
	Ch 180.00m to 210.00m		2	30.00	0.45	0.50	13.50	
	Ch 210.00m to 240.00m		2	30.00	0.45	0.50	13.50	
	Ch 240.00m to 270.00m		2	30.00	0.45	0.50	13.50	
	Ch 270.00m to 300.00m		2	30.00	0.45	0.50	13.50	
	Ch 300.00m to306.00m		2	6.00	0.45	0.50	2.70	
	3rd main road, Muneshwara Temple Street							
	Ch 0.00m to 30.00m		2	30.00	0.50	0.50	15.00	
	Ch 30.00m to 60.00m		2	30.00	0.50	0.50	15.00	
	Ch 60.00m to 90.00m		2	30.00	0.50	0.50	15.00	
	Ch 90.00m to 120.00m		2	30.00	0.50	0.50	15.00	
	Ch 120.00m to 150.00m		2	30.00	0.50	0.50	15.00	
	Ch 150.00m to 180.00m		2	30.00	0.50	0.50	15.00	
	Ch 180.00m to 210.00m		2	30.00	0.50	0.50	15.00	
	Ch 210.00m to 240.00m		2	30.00	0.50	0.50	15.00	
	Ch 240.00m to 269.00m		2	29.00	0.50	0.50	14.50	
	For pothole and road cut portion							
	3rd main road		1	10.00	1.50	0.20	3.00	
			5	6.00	2.00	0.20	12.00	
	2nd main road		1	10.00	1.50	0.20	3.00	
			2	5.00	1.50	0.20	3.00	
			1	12.00	1.20	0.20	2.88	
	1st main road		1	15	1.8	0.2	5.4	
			1	12	1	0.2	2.4	
			2	10	1.53	0.2	6.12	
	1st B main road		1	10	1.5	0.2	3	
			1	15	1	0.2	3	
			5	5	2	0.2	10	
	1st A main road		1	15.00	1.20	0.20	3.60	
			1	16.00	1.00	0.20	3.20	
			1	10.00	1.00	0.20	2.00	
						Net Qty	**803.63**	

RBI-TECHNICAL SERVICES

Proprietor

AE(civil)
03/10/17

3/10/17

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to Roads and Drains in Ayyappa swamy Temple opposite roads (Gopalappa Layout) in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- 06 09

Item Name:- KSRRB 500-1.2 : Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. (P. 160 / I. 21.2 PWDSR 2015-16)

SL	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
Date of Measurements:-		sqm						
	Present measurements							
	2nd main road,Venkategowda layout, Sri. Ayyappa Temple Street							
	Ch 0.00m to 30.00m		1	30.00	(4.0+3.5)/2		112.50	
	Ch 30.00m to 60.00m		1	30.00	(3.5+4.2)/2		115.50	
	Ch 60.00m to 90.00m		1	30.00	(4.2+3.8)/2		120.00	
	Ch 90.00m to 120.00m		1	30.00	(3.8+4.0)/2		117.00	
	Ch 120.00m to 150.00m		1	30.00	(4.0+4.4)/2		126.00	
	Ch 150.00m to 180.00m		1	30.00	(4.4+3.7)/2		121.50	
	Ch 180.00m to 210.00m		1	30.00	(3.7+4.6)/2		124.50	
	Ch 210.00m to 240.00m		1	30.00	(4.6+4.9)/2		142.50	
	Ch 240.00m to 270.00m		1	30.00	(4.9+4.8)/2		145.50	
	Ch 270.00m to 294.00m		1	24.00	(4.8+4.9)/2		116.40	
	1st "A" main road,Venkategowda layout, Sri. Ayyappa Temple Street							
	Ch 0.00m to 30.00m		1	30.00	(6.9+5.7)/2		189.00	
	Ch 30.00m to 60.00m		1	30.00	(5.7+5.3)/2		165.00	
	Ch 60.00m to 90.00m		1	30.00	(5.3+5.7)/2		165.00	
	Ch 90.00m to 120.00m		1	30.00	(5.7+5.5)/2		168.00	
	Ch 120.00m to 150.00m		1	30.00	(5.5+5.7)/2		168.00	
	Ch 150.00m to 180.00m		1	30.00	(5.7+5.5)/2		168.00	
	Ch 180.00m to 210.00m		1	30.00	(5.5+5.15)/2		159.75	
	Ch 210.00m to 240.00m		1	30.00	(5.15+6.9)/2		180.75	
	Ch 240.00m to 270.00m		1	30.00	(6.9+6.8)/2		205.50	
	Ch 270.00m to 279.2m		1	9.20	(6.8+4.8)/2		53.36	
	1st "B" main road,Venkategowda layout, Sri. Ayyappa Temple Street							
	Ch 0.00m to 30.00m		1	30.00	(6.7+6.5)/2		198.00	
	Ch 30.00m to 60.00m		1	30.00	(6.5+5.8)/2		184.50	
	Ch 60.00m to 90.00m		1	30.00	(5.8+6.1)/2		178.50	
	Ch 90.00m to 120.00m		1	30.00	(6.1+6.4)/2		187.50	
	Ch 120.00m to 150.00m		1	30.00	(6.4+6.2)/2		189.00	
	Ch 150.00m to 180.00m		1	30.00	(6.2+5.5)/2		175.50	
	Ch 180.00m to 210.00m		1	30.00	(5.5+5.8)/2		169.50	
	Ch 210.00m to 240.00m		1	30.00	(5.8+6.0)/2		177.00	
	Ch 240.00m to 270.00m		1	30.00	(6.0+6.3)/2		184.50	
	Ch 270.00m to 300.00m		1	30.00	(6.3+6.3)/2		189.00	

RBI-TECHNICAL SERVICES

Proprietor

SL	Particulars	Unit	Nos		L	B	D	Qty	Remarks
1	2	3	4		5	6	7	8	9
	Ch 300.00m to309.6m			1	9.60	(6.3+6.2)/2		60.00	
	1st main road, Muneshwara Temple Street								
	Ch 0.00m to 30.00m			1	30.00	(5.6+5.3)/2		163.50	
	Ch 30.00m to 60.00m			1	30.00	(5.3+4.9)/2		153.00	
	Ch 60.00m to 90.00m			1	30.00	(4.9+5.9)/2		162.00	
	Ch 90.00m to 120.00m			1	30.00	(5.9+5.6)/2		172.50	
	Ch 120.00m to 150.00m			1	30.00	(5.6+6.6)/2		183.00	
	Ch 150.00m to 180.00m			1	30.00	(6.6+5.9)/2		187.50	
	Ch 180.00m to 210.00m			1	30.00	(5.9+6.1)/2		180.00	
	Ch 210.00m to 240.00m			1	30.00	(6.1+5.7)/2		177.00	
	Ch 240.00m to 270.00m			1	30.00	(5.7+4.0)/2		145.50	
	Ch 270.00m to 300.00m			1	30.00	(4.0+4.4)/2		126.00	
	Ch 300.00m to306.00m			1	6.00	(4.4+4.6)/2		27.00	
	3rd main road, Muneshwara Temple Street								
	Ch 0.00m to 30.00m			1	30.00	(4.6+4.2)/2		132.00	
	Ch 30.00m to 60.00m			1	30.00	(4.2+4.7)/2		133.50	
	Ch 60.00m to 90.00m			1	30.00	(4.7+4.9)/2		144.00	
	Ch 90.00m to 120.00m			1	30.00	(4.9+4.1)/2		135.00	
	Ch 120.00m to 150.00m			1	30.00	(4.1+3.5)/2		114.00	
	Ch 150.00m to 180.00m			1	30.00	(3.5+4.5)/2		120.00	
	Ch 180.00m to 210.00m			1	30.00	(4.5+4.0)/2		127.50	
	Ch 210.00m to 240.00m			1	30.00	(4.0+4.3)/2		124.50	
	Ch 240.00m to 269.00m			1	29.00	(4.3+4.2)/2		123.25	
							Net Qty	**7,587.51**	

RBI-TECHNICAL SERVICES

Proprietor

A.L.N.D
AE(...)
16/10/17

16/10/17
Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to Roads and Drains in Ayyappa swamy Temple opposite roads (Gopalappa Layout) in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- ~~07~~ 06

Item Name:- KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per MORTH specification NO. 406, Page No. 157 / Item No. 20.18 /

SL	Particulars	Unit	Nos		L	B	D	Qty	Remarks
1	2	3	4		5	6	7	8	9
Date of Measurements:-		cum							
	Present measurements								
	3rd main road			1	10.00	1.50	0.20	3.00	
				5	6.00	2.00	0.20	12.00	
	2nd main road			1	10.00	1.50	0.20	3.00	
				2	5.00	1.50	0.20	3.00	
				1	12.00	1.20	0.20	2.88	
	1st main road			1	15	1.8	0.2	5.4	
				1	12	1	0.2	2.4	
				2	10	1.53	0.2	6.12	
	1st B main road			1	10	1.5	0.2	3	
				1	15	1	0.2	3	
				5	5	2	0.2	10	
	1st A main road			1	15.00	1.20	0.20	3.60	
				1	16.00	1.00	0.20	3.20	
				1	10.00	1.00	0.20	2.00	
						Net Qty		62.60	

RBI-TECHNICAL SERVICES

Proprietor

AE(W4)
16/10/17

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to Roads and Drains in Ayyappa swamy Temple opposite roads (Gopalappa Layout) in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- 10

Item Name:- KSRRB M500-7: Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all material, labour HOM of machineries complete as per specifications. (Page No. 160 / Item No. 21.7 / PWD SR 2015-16)

SL	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
Date of Measurements:-		sqm						
	Present measurements							
	2nd main road,Venkategowda layout, Sri. Ayyappa Temple Street							
	Ch 0.00m to 30.00m		1	30.00	(4.0+3.5)/2		112.50	
	Ch 30.00m to 60.00m		1	30.00	(3.5+4.2)/2		115.50	
	Ch 60.00m to 90.00m		1	30.00	(4.2+3.8)/2		120.00	
	Ch 90.00m to 120.00m		1	30.00	(3.8+4.0)/2		117.00	
	Ch 120.00m to 150.00m		1	30.00	(4.0+4.4)/2		126.00	
	Ch 150.00m to 180.00m		1	30.00	(4.4+3.7)/2		121.50	
	Ch 180.00m to 210.00m		1	30.00	(3.7+4.6)/2		124.50	
	Ch 210.00m to 240.00m		1	30.00	(4.6+4.9)/2		142.50	
	Ch 240.00m to 270.00m		1	30.00	(4.9+4.8)/2		145.50	
	Ch 270.00m to 294.00m		1	24.00	(4.8+4.9)/2		116.40	
	1st "A" main road,Venkategowda layout, Sri. Ayyappa Temple Street							
	Ch 0.00m to 30.00m		1	30.00	(6.9+5.7)/2		189.00	
	Ch 30.00m to 60.00m		1	30.00	(5.7+5.3)/2		165.00	
	Ch 60.00m to 90.00m		1	30.00	(5.3+5.7)/2		165.00	
	Ch 90.00m to 120.00m		1	30.00	(5.7+5.5)/2		168.00	
	Ch 120.00m to 150.00m		1	30.00	(5.5+5.7)/2		168.00	
	Ch 150.00m to 180.00m		1	30.00	(5.7+5.5)/2		168.00	
	Ch 180.00m to 210.00m		1	30.00	(5.5+5.15)/2		159.75	
	Ch 210.00m to 240.00m		1	30.00	(5.15+6.9)/2		180.75	
	Ch 240.00m to 270.00m		1	30.00	(6.9+6.8)/2		205.50	
	Ch 270.00m to 279.2m		1	9.20	(6.8+4.8)/2		53.36	
	1st "B" main road,Venkategowda layout, Sri. Ayyappa Temple Street							
	Ch 0.00m to 30.00m		1	30.00	(6.7+6.5)/2		198.00	
	Ch 30.00m to 60.00m		1	30.00	(6.5+5.8)/2		184.50	
	Ch 60.00m to 90.00m		1	30.00	(5.8+6.1)/2		178.50	
	Ch 90.00m to 120.00m		1	30.00	(6.1+6.4)/2		187.50	
	Ch 120.00m to 150.00m		1	30.00	(6.4+6.2)/2		189.00	
	Ch 150.00m to 180.00m		1	30.00	(6.2+5.5)/2		175.50	
	Ch 180.00m to 210.00m		1	30.00	(5.5+5.8)/2		169.50	
	Ch 210.00m to 240.00m		1	30.00	(5.8+6.0)/2		177.00	

RBI-TECHNICAL SERVICES

Proprietor

	Ch 240.00m to 270.00m			1	30.00	(6.0+6.3)/2		184.50	
	Ch 270.00m to 300.00m			1	30.00	(6.3+6.3)/2		189.00	
	Ch 300.00m to309.6m			1	9.60	(6.3+6.2)/2		60.00	
	1st main road, Muneshwara Temple Street								
	Ch 0.00m to 30.00m			1	30.00	(5.6+5.3)/2		163.50	
	Ch 30.00m to 60.00m			1	30.00	(5.3+4.9)/2		153.00	
	Ch 60.00m to 90.00m			1	30.00	(4.9+5.9)/2		162.00	
	Ch 90.00m to 120.00m			1	30.00	(5.9+5.6)/2		172.50	
	Ch 120.00m to 150.00m			1	30.00	(5.6+6.6)/2		183.00	
	Ch 150.00m to 180.00m			1	30.00	(6.6+5.9)/2		187.50	
	Ch 180.00m to 210.00m			1	30.00	(5.9+6.1)/2		180.00	
	Ch 210.00m to 240.00m			1	30.00	(6.1+5.7)/2		177.00	
	Ch 240.00m to 270.00m			1	30.00	(5.7+4.0)/2		145.50	
	Ch 270.00m to 300.00m			1	30.00	(4.0+4.4)/2		126.00	
	Ch 300.00m to306.00m			1	6.00	(4.4+4.6)/2		27.00	
	3rd main road, Muneshwara Temple Street								
	Ch 0.00m to 30.00m			1	30.00	(4.6+4.2)/2		132.00	
	Ch 30.00m to 60.00m			1	30.00	(4.2+4.7)/2		133.50	
	Ch 60.00m to 90.00m			1	30.00	(4.7+4.9)/2		144.00	
	Ch 90.00m to 120.00m			1	30.00	(4.9+4.1)/2		135.00	
	Ch 120.00m to 150.00m			1	30.00	(4.1+3.5)/2		114.00	
	Ch 150.00m to 180.00m			1	30.00	(3.5+4.5)/2		120.00	
	Ch 180.00m to 210.00m			1	30.00	(4.5+4.0)/2		127.50	
	Ch 210.00m to 240.00m			1	30.00	(4.0+4.3)/2		124.50	
	Ch 240.00m to 269.00m			1	29.00	(4.3+4.2)/2		123.25	
							Net Qty	**7,587.51**	

RBI-TECHNICAL SERVICES

Proprietor

AE(W)
13/11/17

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to Roads and Drains in Ayyappa swamy Temple opposite roads (Gopalappa Layout) in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- ~~09~~ 12

Item Name:-Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher with required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects complete as per specifications.using 40-60 TPH capacity H.M.P. with sensor paver Gr-II (30mm to 45mm)with 6% CRMB-55. (Item No. 21.23.6, Page No. 164, PWD SR 2015-16).

SL	Particulars	Unit	Nos		L	B	D	Qty	Remarks
1	2	3	4		5	6	7	8	9
Date of Measurements:-		**cum**							
	Present measurements								
	2nd main road,Venkategowda layout, Sri. Ayyappa Temple Street								
	Ch 0.00m to 30.00m			1	30.00	(4.0+3.5)/2	0.040	4.50	
	Ch 30.00m to 60.00m			1	30.00	(3.5+4.2)/2	0.040	4.62	
	Ch 60.00m to 90.00m			1	30.00	(4.2+3.8)/2	0.040	4.80	
	Ch 90.00m to 120.00m			1	30.00	(3.8+4.0)/2	0.040	4.68	
	Ch 120.00m to 150.00m			1	30.00	(4.0+4.4)/2	0.040	5.04	
	Ch 150.00m to 180.00m			1	30.00	(4.4+3.7)/2	0.040	4.86	
	Ch 180.00m to 210.00m			1	30.00	(3.7+4.6)/2	0.040	4.98	
	Ch 210.00m to 240.00m			1	30.00	(4.6+4.9)/2	0.040	5.70	
	Ch 240.00m to 270.00m			1	30.00	(4.9+4.8)/2	0.040	5.82	
	Ch 270.00m to 294.00m			1	24.00	(4.8+4.9)/2	0.040	4.66	
	1st "A" main road,Venkategowda layout, Sri. Ayyappa Temple Street								
	Ch 0.00m to 30.00m			1	30.00	(6.9+5.7)/2	0.040	7.56	
	Ch 30.00m to 60.00m			1	30.00	(5.7+5.3)/2	0.040	6.60	
	Ch 60.00m to 90.00m			1	30.00	(5.3+5.7)/2	0.040	6.60	
	Ch 90.00m to 120.00m			1	30.00	(5.7+5.5)/2	0.040	6.72	
	Ch 120.00m to 150.00m			1	30.00	(5.5+5.7)/2	0.040	6.72	
	Ch 150.00m to 180.00m			1	30.00	(5.7+5.5)/2	0.040	6.72	
	Ch 180.00m to 210.00m			1	30.00	(5.5+5.15)/2	0.040	6.39	
	Ch 210.00m to 240.00m			1	30.00	(5.15+6.9)/2	0.040	7.23	
	Ch 240.00m to 270.00m			1	30.00	(6.9+6.8)/2	0.040	8.22	
	Ch 270.00m to 279.2m			1	9.20	(6.8+4.8)/2	0.040	2.13	
	1st "B" main road,Venkategowda layout, Sri. Ayyappa Temple Street								
	Ch 0.00m to 30.00m			1	30.00	(6.7+6.5)/2	0.040	7.92	
	Ch 30.00m to 60.00m			1	30.00	(6.5+5.8)/2	0.040	7.38	
	Ch 60.00m to 90.00m			1	30.00	(5.8+6.1)/2	0.040	7.14	
	Ch 90.00m to 120.00m			1	30.00	(6.1+6.4)/2	0.040	7.50	
	Ch 120.00m to 150.00m			1	30.00	(6.4+6.2)/2	0.040	7.56	
	Ch 150.00m to 180.00m			1	30.00	(6.2+5.5)/2	0.040	7.02	
	Ch 180.00m to 210.00m			1	30.00	(5.5+5.8)/2	0.040	6.78	
	Ch 210.00m to 240.00m			1	30.00	(5.8+6.0)/2	0.040	7.08	
	Ch 240.00m to 270.00m			1	30.00	(6.0+6.3)/2	0.040	7.38	
	Ch 270.00m to 300.00m			1	30.00	(6.3+6.3)/2	0.040	7.56	

RBI-TECHNICAL SERVICES

Executive Engineer

	Ch 300.00m to309.6m			1	9.60	(6.3+6.2)/2	0.040	2.40	
	1st main road, Muneshwara Temple Street								
	Ch 0.00m to 30.00m			1	30.00	(5.6+5.3)/2	0.040	6.54	
	Ch 30.00m to 60.00m			1	30.00	(5.3+4.9)/2	0.040	6.12	
	Ch 60.00m to 90.00m			1	30.00	(4.9+5.9)/2	0.040	6.48	
	Ch 90.00m to 120.00m			1	30.00	(5.9+5.6)/2	0.040	6.90	
	Ch 120.00m to 150.00m			1	30.00	(5.6+6.6)/2	0.040	7.32	
	Ch 150.00m to 180.00m			1	30.00	(6.6+5.9)/2	0.040	7.50	
	Ch 180.00m to 210.00m			1	30.00	(5.9+6.1)/2	0.040	7.20	
	Ch 210.00m to 240.00m			1	30.00	(6.1+5.7)/2	0.040	7.08	
	Ch 240.00m to 270.00m			1	30.00	(5.7+4.0)/2	0.040	5.82	
	Ch 270.00m to 300.00m			1	30.00	(4.0+4.4)/2	0.040	5.04	
	Ch 300.00m to306.00m			1	6.00	(4.4+4.6)/2	0.040	1.08	
	3rd main road, Muneshwara Temple Street								
	Ch 0.00m to 30.00m			1	30.00	(4.6+4.2)/2	0.040	5.28	
	Ch 30.00m to 60.00m			1	30.00	(4.2+4.7)/2	0.040	5.34	
	Ch 60.00m to 90.00m			1	30.00	(4.7+4.9)/2	0.040	5.76	
	Ch 90.00m to 120.00m			1	30.00	(4.9+4.1)/2	0.040	5.40	
	Ch 120.00m to 150.00m			1	30.00	(4.1+3.5)/2	0.040	4.56	
	Ch 150.00m to 180.00m			1	30.00	(3.5+4.5)/2	0.040	4.80	
	Ch 180.00m to 210.00m			1	30.00	(4.5+4.0)/2	0.040	5.10	
	Ch 210.00m to 240.00m			1	30.00	(4.0+4.3)/2	0.040	4.98	
	Ch 240.00m to 269.00m			1	29.00	(4.3+4.2)/2	0.040	4.93	
							Net Qty	**303.50**	

RBI-TECHNICAL SERVICES

Proprietor

AE(NOT)
13/11/17

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BENGALURU MAHANAGARA PALIKE

MEASURMENT SHEET

NAME OF THE WORK :- Improvements to Roads and Drains in Ayyappa swamy Temple opposite roads (Gopalappa Layout) in ward no.07, Byatarayanapura.

Name of Agency:- Sri. G.N Ramesh

Item Number :- 13

Item Name:-KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 118, item No. 17.1)

SL	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6	7	8	9
Date of Measurements:-		**cum**						
	Present measurements							
	Qty vide Item no.1							
							803.63	
						Net Qty	**803.63**	

RBI-TECHNICAL SERVICES

Proprietor

AE(WT)

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.